

```
#include <stdio.h>
void main() {
    int num1, num2, opt;
    char answer;
    do {
        printf("1- Addition.\n 2- Subtraction.\n 3- Multiplication\n 4- Division\n 5- Greater\n 6- Smaller\n 7- Equality\n 8- Greater or equal\n 9- Square\n 10- Cube\n");
        printf("\n Input your option : \n");
        scanf("%d", &opt);
        printf("Enter the first integer: ");
        scanf("%d", &num1);
        printf("Enter the second integer: ");
        scanf("%d", &num2);

        switch (opt)
        {
            case 1:
                printf("The Addition of %d and %d is %d", num1, num2, num1 + num2);
                break;
            case 2:
                printf("The subtraction of %d and %d is %d", num1, num2, num1 - num2);
                break;
            case 3:
                printf("The multiplication of %d and %d is %d", num1, num2, num1 * num2);
                break;
```

Case 4:

```
if (num2 == 0) {  
    printf("The second integer is zero, Divide by  
    zero:\n");  
}
```

3

else {

```
    printf("The division of %d and %d is %d:\n",  
    num1, num2, num1/num2);  
}
```

3

break;

Case 5:

```
if (num1 > num2)
```

{

```
    printf("The greater number is %d", num1);  
}
```

3

else

```
{ printf("The greater number is %d", num2);  
}
```

3

break;

Case 6:

```
if (num1 < num2)
```

{

```
    printf("The smaller number is %d", num1);  
}
```

3

else

```
{ printf("The smaller number is %d", num2);  
}
```

3

break;

case 7:

```
if (num1 == num2)
{ printf("The numbers are Equal"); }
else { printf("The numbers are not Equal"); }
break;
```

case 8:

```
if (num1 >= num2)
{ printf("The number %d is greater than equal to %d",
num1, num2); }
else { printf("The number %d is greater than
Equal to %d", num2, num1); }
break;
```

Case 9:

```
printf("The square of %d is %d\n", num1, num1 * num1);
printf("The square of %d is %d\n", num2, num2 * num2);
break;
```

Case 10:

```
printf("The cube of %d is %d", num1, num1 * num1 * num1);
printf("The cube of %d is %d", num2, num2 * num2 * num2);
break;
```

default:

```
printf("Option not available\n");
break;
```

}

```
printf("Press y to continue.\n");
scanf("%c", &answer);
```

}

```
while (answer == 'Y' || answer == 'y');
```

}


```
#include <stdio.h>
float sumaver(int a, int b)
{ printf("The sum of Two largest numbers is %d\n",
a+b);
return (float)(a+b)/2;
}
```

```
int printeven(int k, int n)
{
printf("Even numbers in between %d and %d\n",
k, n);
for(int i=k; i<=n; i++)
{
if(i%2 == 0)
printf("%d\n", i);
}
}
```

```
int main()
{ int n = 0, i = 0, largest1 = 0, largest2 = 0, temp = 0;
int array[n];
float avg;
printf("Enter the elements\n");
for(i=0; i<3; i++)
{ scanf("%d", &array[i]);
}
printf("\n\n");
```

```
largest1 = array[0];
largest2 = array[1];

if (largest1 < largest2)
{
    temp = largest1;
    largest1 = largest2;
    largest2 = temp;
}

for (int i = 2; i < 3; i++)
{
    if (array[i] > largest1;
    {
        largest1 = array[i];
        largest2 = largest1;
        largest1 = array[i];
    }
    elseif (array[i] > largest2 && array[i] != largest1)
    {
        largest2 = array[i];
    }
}

printf("FIRST LARGEST = %d\n", largest1);
printf("SECOND LARGEST = %d\n", largest2);
avg = sumover(largest1, largest2);
printf("The average of two numbers is %d",
    avg);
printf("largest2, largest1");
return 0;
}
```